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ABSTRACT OF THE DISCLOSURE

10 A micro-array for analysis of DNA is prepared by the  
steps of spotting onto a solid carrier in its predeter-  
mined area in which plural reactive groups are fixed an  
aqueous solution which contains a thickening agent and  
probe molecules (e.g., DNA fragments) having a group  
reactive with the reactive group of the solid carrier to  
produce covalent bonding; spotting onto the solid carrier  
15 in a different area having the same reactive groups an  
aqueous solution (same or different); incubating the  
aqueous solution-spotted solid carrier to produce the  
covalent bondings; and washing the solid carrier with an  
aqueous medium to remove the thickening agent from the  
20 solid carrier. An electrostatic bonding can be utilized  
in place of the covalent bonding.